PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION as w	see Form PCT/ISA/220 ell as, where applicable, item 5 below.
LP2012PC00 International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/EP2004/009690	31/08/2004	01/09/2003
Applicant	L	
LONZA AG		
This International Search Report has bee according to Article 18. A copy is being tra	n prepared by this International Searching Au ansmitted to the International Bureau.	thority and is transmitted to the applicant
This International Search Report consists	of a total of 6 sheets.	
l —	a copy of each prior art document cited in th	s report.
	international search was carried out on the bless otherwise indicated under this item.	asis of the international application in the
The international this Authority (Ru		slation of the international application furnished to
	• • •	d in the international application, see Box Nc. i.
2. Certain claims were fou	ind unsearchable (See Box II).	
3. X Unity of invention is lac	king (see Box III).	
4. With regard to the title ,		
	ubmitted by the applicant.	
1 =	shed by this Authority to read as follows:	
]		
1		
5. With regard to the abstract,	shmitted by the applicant	
1 = "	ubmitted by the applicant. shed, according to Rule 38.2(b), by this Author	ority as it appears in Box No. IV. The applicant
		arch report, submit comments to this Authority.
6. With regard to the drawings,		
	published with the abstract is Figure No	
as suggested by	• •	
1 '	is Authority, because the applicant failed to s	
	is Authority, because this figure better charactor published with the abstract.	NGNZES DIE HYERMON.
o. Inone of the lightes is to t	o published multille abstract.	

International Application No PCT/EP2004/009690

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07D333/20 C07D307/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC - 7 - C070

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, CHEM ABS Data, WPI Data

WO 03/062219 A (BORGHESE ALFIO ;LILLY CO ELI (US)) 31 July 2003 (2003-07-31) claim 1	1-11
WO 03/061825 A (DSM NV ;TUCKER CHARLES EDWARD (US); JIANG QIONGZHONG (US)) 31 July 2003 (2003-07-31) examples 81-83	1-11
WO 03/061826 A (DSM NV ;TUCKER CHARLES EDWARD (US); JIANG QIONGZHONG (US)) 31 July 2003 (2003-07-31) examples 93-99	1-11
	ELI (US)) 31 July 2003 (2003-07-31) claim 1 WO 03/061825 A (DSM NV ;TUCKER CHARLES EDWARD (US); JIANG QIONGZHONG (US)) 31 July 2003 (2003-07-31) examples 81-83 WO 03/061826 A (DSM NV ;TUCKER CHARLES EDWARD (US); JIANG QIONGZHONG (US)) 31 July 2003 (2003-07-31) examples 93-99

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but tater than the priority date claimed	 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family
Date of the actual completion of the international search 1 March 2005	Date of mailing of the international search report 0 9. 05. 2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040. Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Steendijk, M

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International Application No
PCT/EP2004/009690

.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
1	TAKESHI OHKUMA ET AL: "General Asymmetric Hydrogenation of Hetero-aromatic Ketones" ORGANIC LETTERS, ACS, WASHINGTON, DC, US, vol. 2, no. 12, 2000, pages 1749-1751, XP002255184 ISSN: 1523-7060 cited in the application Scheme 1, table 1	1-11
Y	SAKURABA S ET AL: "EFFICIENT ASYMMETRIC HYDROGENATION OF BETA- AND GAMMA-AMINO KETONE DERIVATIVES LEADING TO PRACTICAL SYNTHESIS OF FLUOXETINE AND EPROZINOL" CHEMICAL AND PHARMACEUTICAL BULLETIN, PHARMACEUTICAL SOCIETY OF JAPAN. TOKYO, JP, vol. 43, no. 5, 1995, pages 748-753, XP001071298 ISSN: 0009-2363 cited in the application table 1	1-11
A	WO 02/10113 A (GEWALD RAINER ;ASTA MEDICA AG (DE)) 7 February 2002 (2002-02-07) claim 2	1-11

International application No. PCT/EP2004/009690

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-11
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11

Process for the preparation of compounds of formula ${\bf I}$

2. claim: 12

Compounds of formula I

Information on patent family members

International Application No
PCT/EP2004/009690

	document earch report		Publication date		Patent family member(s)	Publication date
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